

PATENT ABSTRACTS OF JAPAN

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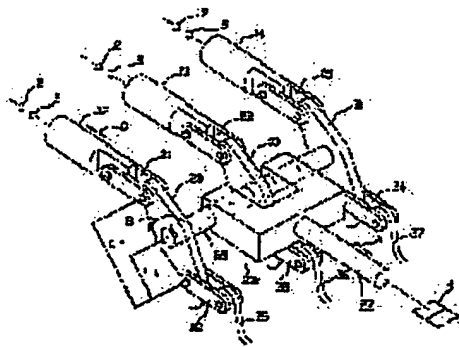
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(57)Abstract:

PROBLEM TO BE SOLVED: To reduce operating force and at the same time to achieve miniaturization by moving an operating rod by the rotation of an operating lever rotatably and pivotally mounted on an input shaft to perform contact and separation operations of a contactor.

SOLUTION: An input shaft 28 for rotatably and pivotally mounting operating levers 29, 30, 31 by a lateral U-shaped member 27a fixed to one side of a drive rod 27, the other side of which is connected to a drive source 4, and one ends of the respective levers are pivotally carried on fixing parts 35, 36, 37 through links 32, 33, 34, and the other ends are respectively pivotally carried on operating rods 12, 13, 14 through links 21, 22, 23. At the time of operation, when the drive source 4 is operated, the drive rod 27 and the input shaft 28 are moved in the direction of an arrow A and the respective operating levers 29, 30, 31 are rotated in the direction of an arrow B to move the respective operating rods 12, 13, 14 in the direction of an arrow C and to perform the contact and separation operation of both contactors 2, 3. With such constitution, the number of part items can be reduced and structure can be simplified, and operating force is reduced, so that the capacity of the drive source 4 may be reduced and at the same time the miniaturization thereof may be achieved.



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